## In the Claims

Please amend the claims as follows:

- 1. (Amended) A plate, for use in a fuel cell assembly, fuel cell assembly including at least one plate for (a) conducting current and/or (b) distributing fluid, the plate comprising a metallic substrate with a coating of an electrocatalytically-active material comprising ruthenium oxide.
- 2. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 in which the electrocatalytically-active material further comprises, in addition to ruthenium oxide, at least one other metal oxide.
- 3. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 in which the electrocatalytically-active material further comprises, in addition to ruthenium oxide, at least one metal or metal oxide from Group 8 of the Periodic Table of Elements.
- 4. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 in which the electroactively-active material further comprises, in addition to ruthenium oxide, at least one of PtO, Sb<sub>2</sub>O<sub>3</sub>, Ta<sub>2</sub>O<sub>5</sub>, PdO, CeO<sub>2</sub>, Co<sub>3</sub>O<sub>4</sub>, TiO<sub>2</sub>, SnO<sub>2</sub> and IrO<sub>2</sub>.
- 5. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 in which the electroactively-active material further comprises, in addition to ruthenium oxide, TiO<sub>2</sub>.
- 6. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 in which the electroactively-active material further comprises, in addition to ruthenium oxide, SnO<sub>2</sub>.
- 7. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 in which the electroactively-active material further comprises, in addition to ruthenium oxide, IrO<sub>2</sub>.
- 8. (Amended) A plate forming part of a PEM, phosphoric acid or direct methanol fuel cell assembly, for (a) conducting current and/or (B) distributing fluid, the plate comprising a metallic substrate with a coating of an electrocatalytically-active material

comprising a mixture of ruthenium or its an oxide thereof, and a metal or oxide of a metal selected from the group comprising Sn, Fe, Co, Ni or Os, preferably Sn.

- 9. (Amended) A plate as claimed in The fuel cell assembly of Claim 1, the plate being in the form of a bipolar or separator plate for disposition between adjacent fuel cell units.
- 10. (Amended) A plate as claimed in The fuel cell assembly of Claim 1, the plate being in the form of an end plate and/or a current-collecting plate.
- 11. (Amended) A plate as claimed in The fuel cell assembly of Claim 1, the plate having a fluid inlet aperture and a fluid outlet aperture and bring provided with surface features forming channels for conducting fluid flow from the inlet aperture to the outlet aperture.
- 12. (Amended) A plate as claimed in The fuel cell assembly of Claim 11 in which the inlet and outlet apertures are located at opposite sides of the plate and the surface features are located in the region of the plate extending between the inlet and outlet apertures.
- 13. (Amended) A plate as claimed in The fuel cell assembly of Claim 11 in which the surface features comprise a series of corrugations or a serpentine pattern.
- 14. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 11, the surface features being embossed, etched, engraved, moulded, stamped, or die cast.
  - 15. (Cancelled).
- 16. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 15 in which the substrate of the plate is a metal selected from Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zr, Nb, Ag, Pt, Ta, Pb, Al or alloys thereof.

- 17. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 15, the substrate of the plate being of aluminium or an alloy thereof.
- 18. (Amended) A plate as claimed in The fuel cell assembly of Claim 4 15, the substrate of the plate being of titanium or an alloy thereof.
- 19. (Amended) A plate as claimed in The fuel cell assembly of Claim 4 15, the substrate of the plate being of iron or an alloy thereof.
- 20. (Amended) A plate as claimed in The fuel cell assembly of Claim 1, wherein the plate being is a terminal plate.
- 21. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 11 in which the plate has a further fluid inlet aperture and a further fluid outlet aperture and is provided on its opposite face with surface features forming channels for conducting fluid flow from the further inlet aperture to the further outlet aperture.
- 22. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 in which the plate substrate is of monolithic structure.
- 23. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 in which the plate substrate is of composite structure.
- 24. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 in which the plate includes fittings for connection to an external electrical circuit to which energy generated by the stack is to be supplied.
- 25. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 including pipework for conducting fluids to and/or from the stack.
- 26. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 25 in which the internal surfaces of the pipework are at least in part coated with said coating.

- 27. (Amended) A plate as claimed in The fuel cell assembly of Claim 1 in which the plate is an intermediate separator plate operable in use to conduct current from the anode of one fuel cell unit to the cathode of the adjacent fuel cell unit and/or distribute fluid flow in the fuel cell stack.
- 28. (Amended) A plate as claimed in The fuel cell assembly of Claim 4 11 in which the inlet and outlet apertures are located at opposite sides of the plate.
- 29. (Amended) A plate as claimed in The fuel cell assembly of Claim 28 including surface features located in the region of the plate extending between the inlet and outlet apertures.
- 30. (Amended) A plate, for use in a fuel cell assembly, for (a) conducting current and/or (b) distributing fluid, the plate comprising a substrate with a coating of an electrocatalytically-active material comprising a nickel/cobalt spinel, wherein said substrate comprises at least one metal selected from Ti, V, Cr, Mn, Fe, Co, Cu, Zr, Nb, Ag, Pt, Ta, Pb, Al or alloys thereof.
  - 31. (Cancelled).
- 32. (Amended) A plate as claimed in The fuel cell assembly of Claim 31 1, being a PEM, phosphoric acid or direct methanol fuel cell.
  - 33. (Cancelled).
- 34. (Amended) A fuel cell assembly or stack as claimed in The fuel cell assembly of Claim 33 1 in which including separator plates and end and/or current-collecting plates, and is which only the end and/or current-collecting plates of the assembly are provided with said coating.

- 35. (Amended) A fuel cell assembly or stack as claimed in The fuel cell assembly of Claim 33 1 in which including separator plates and end and/or current-collecting plates, and is which the end and/or current-carrying plates and only some of the separator plates are provided with said coating.
- 36. (Amended) A fuel cell stack assembly comprising a plurality of individual fuel cell units each comprising an anode, a cathode and ion exchange membrane disposed between the anode and the cathode, a plurality of bipolar or separator plates located between the anode of one unit and the cathode of an adjacent unit, and end and/or current-collecting plates associated with the stack assembly, characterised in that wherein at least one of the end and/or current-collecting plates and/or at least one of the bipolar or separator plates is as defined in Claim 1 comprises a metallic substrate provided with a coating of an electrocatalytically-active material comprising ruthenium oxide or a mixture of ruthenium or oxide thereof, and a metal or oxide of a metal selected from Sn, Fe, Co, Ni or Os:
  - 37. (Amended) A fuel cell stack assembly comprising:
  - a) a plurality of fuel cell units each of which contains a proton-exchange membrane separating the cell into anolyte and catholyte chambers and provided with an anode and a cathode on opposite sides thereof;
  - b) a separator or bipolar plate disposed between adjacent cell units;
  - c) end and/or current-collecting plates associated with the stack assembly;
  - means for feeding hydrogen fuel to the anolyte chambers of the stack
    assembly; and
  - e) means for feeding an oxygen-containing gas to the catholyte chambers of the stack assembly;

eharacterised in that wherein at least one end and/or current-collecting plate and/or at least one separator plate is as defined in Claim 1 or bipolar plate comprises a metallic substrate provided with a coating of an electrocatalytically-active material comprising ruthenium oxide or a mixture of ruthenium or oxide thereof, and a metal or oxide of a metal selected from Sn, Fe, Co, Ni or Os.

- 38. (Amended) A-The fuel cell stack as claimed in assembly of Claim 36 1, being a phosphoric acid fuel cell.
  - 39. (Cancelled).
- 40. (Amended) A <u>The</u> fuel cell stack as claimed in assembly of Claim 36 including means for cooling the interior of the stack assembly.
- 41. (Amended) A The fuel cell stack as claimed in assembly of Claim 36 in which the end and/or current-collecting plates are provided with projections for engagement with a support surface to support the remainder of the assembly stack in spaced relation with the surface.
- 42. (Amended) A The fuel cell stack as claimed in assembly of Claim 36 in which the end and/or current-collecting plates comprise the primary means for the application of compression to the stack assembly.
- 43. (Amended) A The fuel cell stack as claimed in assembly of Claim 36 in which compression is applied to the end and/or current-collecting plates and to the remainder of the stack assembly by means of compression-applying plates located outboard of the end plates.
- 44. (Amended) A <u>The</u> fuel cell as claimed in assembly of Claim 36 in which the end and/or current-collecting plates are thicker than the separator plates.
- 45. (Amended) A The fuel cell stack as claimed in assembly of Claim 36 including humidifying means for introducing water vapour into the fuel and oxidant streams supplied to the stack assembly.
- 46. (New) A plate, for use in a fuel cell assembly, for (a) conducting current and/or (b) distributing fluid, the plate comprising a metallic substrate with a coating of an electrocatalytically-active material that comprises ruthenium oxide and an oxide selected

from the group comprising TiO<sub>2</sub>, SnO<sub>2</sub> and IrO<sub>2</sub>, the metallic substrate being selected from aluminum, or an alloy thereof, or iron, or an alloy thereof.

- 47. (New) A plate as claimed in Claim 46 in which the metallic substrate comprises stainless steel.
- 48. (New) The plate of claim 30 wherein the substrate comprises at least one metal selected from Ti, Fe, Al, or alloys thereof.
- 49. (New) A fuel cell assembly as claimed in Claim 36 in which said metallic substrate comprises a metal selected from the group comprising aluminium or an alloy thereof; titanium or an alloy thereof; iron or an alloy thereof; and stainless steel.
- 50. (New) A fuel cell assembly comprising at least one plate, comprising a metallic substrate with a coating comprising ruthenium oxide or a mixture of ruthenium or oxide thereof.